# CRSP/COMPUSTAT MERGED DATABASE RELEASE NOTES

## JANUARY 2008 MONTHLY/QUARTERLY UPDATE

## INTRODUCTION

These release notes accompany the January 2008 monthly/quarterly cut of the CRSP/Compustat Merged Database (CCM). The CCM files are updated monthly based on Compustat's final research cuts and shipped by the tenth trading day after the cut date, either monthly, quarterly or annually. Files are delivered on a single compressed CD-ROM and installed using an InstallShield wizard. Please refer to our website for CRSPAccess Release Notes for full product information and for Documents and Guides for all CRSP products at:

http://www.crsp.chicagogsb.edu/support/documentation

### CCM DATA CREATED FROM XPRESSFEED INPUTS

CRSP is now creating the CRSP/Compustat Merged database using new Xpressfeed inputs from Compustat. In this first phase of the transition, the format of the CCM databases is unchanged (CST) and it will continue to work with your existing tools. Several issues that were identified in the previous months have been addressed.

## ABOUT THE JANUARY 2008 CRSP/COMPUSTAT MERGED DATABASE:

The Compustat cut date for this release is January 17, 2008. The database is shipped in its entirety with historical edits for restatements and corrections for each release.

The CD label for the CCM database is CPZ.

CPZ: CRSP Stock and Indices with Compustat data. PDE market data is for listed and research companies.

The database is delivered and supported on three platforms: Windows, Linux and Solaris. It has been tested on CRSPAccess 2.97 and is supported on CRSPAccess versions 2.91 and higher.

### PARAMETERS:

- The number of CRSP Securities in the CPZ database is 23,722.
- The number of GVKEYs in the CPZ database is 32,995.
- The number of links in the CPZ database is 54,886.
- Database size is approximately 2.32 Gb.

### CALENDARS

The CCM database utilizes the CRSP stock calendars to align properly with CRSP data. Data in the CRSP daily Stock (and Indices) file use daily and annual calendars. Data in the monthly files use monthly, quarterly and annual calendars.

| Calendar | Date Range | Date Index Range |
|---|---|---|
| Daily trading calendar | 19251231-20080111 | 1-21772 |
| Month-end trading calendar | 19251231-20081231 | 1-985 |
| Year-end trading calendar | 19251231-20081231 | 1-84 |
| Quarter-end trading calendar | 19251231-20081231 | 1-333 |
| Weekly trading calendar | 19260102-20071231 | 1-4279 |

## DECEMBER NOTES

### 12-MONTH MOVING WINDOW EARNINGS PER SHARE CALCULATIONS

Currency translations of 12-month moving window earnings per share items were previously converted directly from the native currency 12-month moving window value provided by Compustat. The calculation for these items was corrected to use year-to-date and quarterly components, each of which is converted to the proper currency independently before

they are summed. These items are now calculated from components even if currency translation is not needed, which results in increased coverage.

### INDEX FUNDAMENTAL PERIOD DESCRIPTOR ITEMS NOW POPULATED

Four index fundamental period descriptor items in the November 2007 cut of the CRSP/Compustat database that were not populated are now populated in the December 2007 cut. The old variable names in the index fundamental data period details structure are pctrep and numcomp. Their new corresponding mnemonics in the Xpressfeed inputs are SPEQA/SPEQQ, and SPNOA/SPNOQ.

### NEW ISSUE MARKER USED

Security-based annual and quarterly fundamental data items now use the historical month primary issue marker instead of the company primary issue marker to identify the data source. While this reflects a change for fundamental data items, note that the PDE security data source remains unchanged and is still derived from the monthly FTP USPDE and USPDE Research files created from Compustat.

## NOVEMBER NOTES

### HEADER HISTORY CHANGES

In the October cut of the database, the history records for most GVKEYs were generated from FTP versions of the PDE data files. Header history records in this and future data cuts are now coming from the Xpressfeed inputs. Since two fields in the header file, FILE and DUP, are not available in the Xpressfeed data, changes to missing values of zero should be disregarded when determining if a new header history record is needed.

### NEWLY POPULATED RECORDS

Non-Standard Pro Forma, Pre FASB, Pre-Divestiture, and Amended records include data in the November 2007 cut of the database. Compustat plans to remove these supplemental GVKEYs and move the data into extra records under the primary GVKEY of the companies in Xpressfeed. When the supplemental GVKEYs are removed the data will be unavailable in CST format databases.

Annual and quarterly items representing price data for indices that were missing in the October release are now populated. Indices populated with these price data items data are those that have annual and quarterly fundamen¬tal data. Monthly data in the PDE files for indices were available last month and remain populated.

### DROPPED GVKEYS

79 GVKEYs have been dropped in the November update. These represented securities that did not follow our requirement of having Xpressfeed fundamental data with a primary security marked. At least one GVKEY, 1945, had Xpressfeed fundamental data in October but was dropped by Compustat in November.

### MORE INFORMATION

Compustat data definitions and additional information about Xpressfeed may be accessed directly from Compustat's website at www. compustatresources.com.

# DATA EDITS

## JANUARY 2008 DATA EDITS

### GROUP EDITS

**Link Merge Problems**:  Researched and edited all GVKEYs that had extra NR links that resulted from improper database merges since 200709. Extended the LC link end date in most cases and deleted the incorrect NR link.

### INDIVIDUAL EDITS

#### GVKEY 29930 (MOTORCAR PARTS OF AMER INC)

OLD:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|--------|-----------|--------|--------|----------|----------|
| 19920401 | 19940322 | 0 | 0 | NU | XXX |
| 19940323 | 19990730 | 80341 | 12938 | LU | BBB |
| 19990731 | 99999999 | 0 | 0 | NU | XXX |

NEW:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|--------|-----------|--------|--------|----------|----------|
| 19920401 | 19940322 | 0 | 0 | NU | XXX |
| 19940323 | 19990730 | 80341 | 12938 | LU | BBB |
| 19990731 | 20070418 | 0 | 0 | NU | XXX |
| 20070419 | 20071202 | 0 | 0 | NR | XXX |
| 20071203 | 99999999 | 80341 | 12938 | LC | BBB |

#### GVKEY 122163 (WESTERN GOLDFIELDS INC)

OLD:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|--------|-----------|--------|--------|----------|----------|
| 20051117 | 99999999 | 0 | 0 | NR | XXX |

NEW:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|--------|-----------|--------|--------|----------|----------|
| 20051117 | 20071107 | 0 | 0 | NR | XXX |
| 20071108 | 99999999 | 92425 | 52851 | LC | BBB |

## GVKEY 64539 (CORGI INTERNATIONAL LTD)

OLD:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|---|---|---|---|---|---|
| 19940401 | 19970303 | 0 | 0 | NR | XXX |
| 19970304 | 20070418 | 84638 | 15367 | LC | BBB |
| 20070419 | 20071109 | 84638 | 15367 | LN | BBB |

NEW:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|---|---|---|---|---|---|
| 19970304 | 20061220 | 84638 | 15367 | LC | BBB |

## GVKEY 8488 (APPLERA CORP-APPLIED BIOSYS)

OLD:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|---|---|---|---|---|---|
| 19490801 | 19601229 | 0 | 0 | NU | XXX |
| 19601230 | 99999999 | 27713 | 21387 | LC | BBB |

NEW:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|---|---|---|---|---|---|
| 19490801 | 19601212 | 0 | 0 | NR | XXX |
| 19601213 | 99999999 | 27713 | 21387 | LC | BBB |

## GVKEY 127234 (APPLERA CORP-CELERA GROUP)

OLD:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|---|---|---|---|---|---|
| 19990428 | 99999999 | 86806 | 21387 | LS | BBB |

NEW:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|---|---|---|---|---|---|
| 19990506 | 99999999 | 86806 | 21387 | LS | BBB |

## GVKEY 1651 (ANDREW CORP)

OLD:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|---|---|---|---|---|---|
| 19781001 | 19800618 | 0 | 0 | NU | XXX |
| 19800619 | 99999999 | 14323 | 272 | LU | BBB |

NEW:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|---|---|---|---|---|---|
| 19781001 | 19800618 | 0 | 0 | NU | XXX |
| 19800619 | 20070418 | 14323 | 272 | LU | BBB |
| 20070419 | 20071227 | 14323 | 272 | LC | BBB |
| 20071228 | 99999999 | 0 | 0 | NR | XXX |

## GVKEY 65142 (COMMSCOPE INC)

OLD:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|--------|-----------|--------|--------|----------|----------|
| 19920101 | 19970723 | 0 | 0 | NU | XXX |
| 19970724 | 99999999 | 85231 | 32028 | LU | BBB |

NEW:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|--------|-----------|--------|--------|----------|----------|
| 19920101 | 19970723 | 0 | 0 | NU | XXX |
| 19970724 | 20070418 | 85231 | 32028 | LU | BBB |
| 20070419 | 99999999 | 85231 | 32028 | LC | BBB |

## GVKEY 10726 (TRIBUNE CO)

OLD:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|--------|-----------|--------|--------|----------|----------|
| 19830101 | 19831011 | 0 | 0 | NU | XXX |
| 19831012 | 99999999 | 65787 | 21782 | LU | BBB |

NEW:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|--------|-----------|--------|--------|----------|----------|
| 19830101 | 19831011 | 0 | 0 | NU | XXX |
| 19831012 | 20070418 | 65787 | 21782 | LU | BBB |
| 20070419 | 20071220 | 65787 | 21782 | LC | BBB |
| 20071221 | 99999999 | 0 | 0 | NR | XXX |

## GVKEY 15110 (LYONDELL CHEMICAL CO)

OLD:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|--------|-----------|--------|--------|----------|----------|
| 19880101 | 19890118 | 0 | 0 | NU | XXX |
| 19890119 | 99999999 | 75444 | 22011 | LU | BBB |

NEW:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|--------|-----------|--------|--------|----------|----------|
| 19880101 | 19890118 | 0 | 0 | NU | XXX |
| 19890119 | 20070418 | 75444 | 22011 | LU | BBB |
| 20070419 | 20071220 | 75444 | 22011 | LC | BBB |
| 20071221 | 99999999 | 0 | 0 | NR | XXX |

## GVKEY 4222 (EDO CORP)

OLD:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|--------|-----------|--------|--------|----------|----------|
| 19600101 | 19620701 | 0 | 0 | NU | XXX |
| 19620702 | 99999999 | 31552 | 20633 | LU | BBB |

NEW:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|--------|-----------|--------|--------|----------|----------|
| 19600101 | 19620701 | 0 | 0 | NU | XXX |
| 19620702 | 20070418 | 31552 | 20633 | LU | BBB |
| 20070419 | 20071220 | 31552 | 20633 | LC | BBB |
| 20071221 | 99999999 | 0 | 0 | NR | XXX |

## GVKEY 5860 (ITT CORP)

OLD:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|--------|-----------|--------|--------|----------|----------|
| 19500101 | 99999999 | 12570 | 20964 | LU | BBB |

NEW:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|--------|-----------|--------|--------|----------|----------|
| 19500101 | 20070418 | 12570 | 20964 | LU | BBB |
| 20070419 | 99999999 | 12570 | 20964 | LC | BBB |

## GVKEY 2537 (C-COR INC)

OLD:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|--------|-----------|--------|--------|----------|----------|
| 19800701 | 19810301 | 0 | 0 | NU | XXX |
| 19810302 | 20070418 | 20125 | 787 | LU | BBB |
| 20070419 | 99999999 | 20125 | 787 | LC | BBB |

NEW:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|--------|-----------|--------|--------|----------|----------|
| 19800701 | 19810301 | 0 | 0 | NR | XXX |
| 19810302 | 20071214 | 20125 | 787 | LC | BBB |
| 20071215 | 99999999 | 0 | 0 | NR | XXX |

## GVKEY 28853 (ARRIS GROUP INC)

OLD:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|--------|-----------|--------|--------|----------|----------|
| 19920101 | 19930916 | 0 | 0 | NU | XXX |
| 19930917 | 99999999 | 79564 | 12407 | LU | BBB |

NEW:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|--------|-----------|--------|--------|----------|----------|
| 19920101 | 19930916 | 0 | 0 | NU | XXX |
| 19930917 | 20070418 | 79564 | 12407 | LU | BBB |
| 20070419 | 99999999 | 79564 | 12407 | LC | BBB |

## GVKEY 4062 (DOW JONES & CO INC)

OLD:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|--------|-----------|--------|--------|----------|----------|
| 19630101 | 19690101 | 0 | 0 | NU | XXX |
| 19690102 | 99999999 | 58990 | 1366 | LU | BBB |

NEW:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|--------|-----------|--------|--------|----------|----------|
| 19630101 | 19690101 | 0 | 0 | NU | XXX |
| 19690102 | 20070418 | 58990 | 1366 | LU | BBB |
| 20070419 | 20071213 | 58990 | 1366 | LC | BBB |
| 20071214 | 99999999 | 0 | 0 | NR | XXX |

## GVKEY 61355 (CHECKFREE CORP)

OLD:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|--------|-----------|--------|--------|----------|----------|
| 19940101 | 19950927 | 0 | 0 | NR | XXX |
| 19950928 | 20071205 | 82255 | 13998 | LC | BBB |

NEW:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|--------|-----------|--------|--------|----------|----------|
| 19940101 | 19950927 | 0 | 0 | NR | XXX |
| 19950928 | 20071203 | 82255 | 13998 | LC | BBB |
| 20071204 | 99999999 | 0 | 0 | NR | XXX |

### GVKEY 10150 (SEQUA CORP  -CL A)

OLD:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|--------|-----------|--------|--------|----------|----------|
| 19500101 | 19870111 | 0 | 0 | NU | XXX |
| 19870112 | 99999999 | 72733 | 21597 | LC | BBB |

NEW:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|--------|-----------|--------|--------|----------|----------|
| 19500101 | 19870111 | 0 | 0 | NU | XXX |
| 19870112 | 20071203 | 72733 | 21597 | LC | BBB |
| 20071204 | 99999999 | 0 | 0 | NR | XXX |

### GVKEY 1243 (ALCAN INC)

OLD:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|--------|-----------|--------|--------|----------|----------|
| 19500531 | 20070418 | 24264 | 20039 | LU | BBB |
| 20070419 | 20071115 | 24264 | 20039 | LC | BBB |

NEW:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|--------|-----------|--------|--------|----------|----------|
| 19500531 | 20071114 | 24264 | 20039 | LC | BBB |
| 20071115 | 99999999 | 0 | 0 | NR | XXX |

### GVKEY 1902 (CARRINGTON LABORATORIES INC)

OLD:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|--------|-----------|--------|--------|----------|----------|
| 19821130 | 19830810 | 0 | 0 | NU | XXX |
| 19830811 | 20070418 | 15991 | 6282 | LU | BBB |
| 20070419 | 20070815 | 15991 | 6282 | LC | BBB |
| 20070816 | 99999999 | 0 | 0 | NR | XXX |

NEW:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|--------|-----------|--------|--------|----------|----------|
| 19821130 | 19830810 | 0 | 0 | NR | XXX |
| 19830811 | 20070815 | 15991 | 6282 | LC | BBB |
| 20070816 | 99999999 | 0 | 0 | NR | XXX |

## GVKEY 2085 (BAUSCH & LOMB INC)

OLD:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|--------|-----------|--------|--------|----------|----------|
| 19500101 | 19580330 | 0 | 0 | NU | XXX |
| 19580331 | 20070418 | 26518 | 20276 | LU | BBB |
| 20070419 | 20071026 | 26518 | 20276 | LC | BBB |
| 20071027 | 99999999 | 0 | 0 | NR | XXX |

NEW:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|--------|-----------|--------|--------|----------|----------|
| 19500101 | 19580323 | 0 | 0 | NR | XXX |
| 19580324 | 20071026 | 26518 | 20276 | LC | BBB |
| 20071027 | 99999999 | 0 | 0 | NR | XXX |

## DECEMBER 2007 DATA EDITS

### GVKEY 61183 (EVOLVE ONE INC)

OLD:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|--------|-----------|--------|--------|----------|----------|
| 20010719 | 20070923 | 0 | 0 | NR | XXX |
| 20070924 | 99999999 | 92266 | 52749 | LC | BBB |

NEW:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|--------|-----------|--------|--------|----------|----------|
| 20010719 | 99999999 | 0 | 0 | NR | XXX |

### GVKEY 18152 (CITIZENS FINANCIAL CORP/KY)

OLD:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|--------|-----------|--------|--------|----------|----------|
| 19910101 | 19930207 | 0 | 0 | NU | XXX |
| 19930208 | 99999999 | 78922 | 11941 | LU | BBB |

NEW:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|--------|-----------|--------|--------|----------|----------|
| 19910101 | 19930207 | 0 | 0 | NU | XXX |
| 19930208 | 20070418 | 78922 | 11941 | LU | BBB |
| 20070419 | 20071113 | 78922 | 11941 | LC | BBB |
| 20071114 | 99999999 | 0 | 0 | NR | XXX |

### GVKEY 20247 (CENTRAL SUN MINING INC)

OLD:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|--------|-----------|--------|--------|----------|----------|
| 19940101 | 20050222 | 0 | 0 | NR | XXX |
| 20050223 | 99999999 | 90557 | 46155 | LC | BBB |

NEW:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|--------|-----------|--------|--------|----------|----------|
| 19940101 | 20050222 | 0 | 0 | NR | XXX |
| 20050223 | 99999999 | 90557 | 46155 | LC | BBB |

### GVKEY 22177 (VELOCITY EXPRESS CORP)

OLD:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|--------|-----------|--------|--------|----------|----------|
| 19940701 | 19960528 | 0 | 0 | NU | XXX |
| 19960529 | 99999999 | 83566 | 14670 | LU | BBB |

NEW:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|--------|-----------|--------|--------|----------|----------|
| 19940701 | 19960528 | 0 | 0 | NU | XXX |
| 19960529 | 20070418 | 83566 | 14670 | LU | BBB |
| 20070419 | 99999999 | 83566 | 14670 | LC | BBB |

### GVKEY 28947 (NATIONAL R V HOLDINGS INC)

OLD:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|--------|-----------|--------|--------|----------|----------|
| 19920601 | 19930929 | 0 | 0 | NR | XXX |
| 19930930 | 99999999 | 79613 | 12452 | LC | BBB |

NEW:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|--------|-----------|--------|--------|----------|----------|
| 19920601 | 19930929 | 0 | 0 | NR | XXX |
| 19930930 | 20071023 | 79613 | 12452 | LC | BBB |
| 20071024 | 99999999 | 0 | 0 | NR | XXX |

## GVKEY 9311 (SBE INC)

OLD:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|--------|-----------|--------|--------|----------|----------|
| 19741101 | 19760108 | 0 | 0 | NR | XXX |
| 19760109 | 20070813 | 68145 | 3984 | LC | BBB |

NEW:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|--------|-----------|--------|--------|----------|----------|
| 19741101 | 19760108 | 0 | 0 | NR | XXX |
| 19760109 | 20070810 | 68145 | 3984 | LC | BBB |

## GVKEY 16996 (PXRE GROUP LTD)

OLD:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|--------|-----------|--------|--------|----------|----------|
| 19860101 | 19870324 | 0 | 0 | NR | XXX |
| 19870325 | 20070807 | 11203 | 9053 | LC | BBB |

NEW:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|--------|-----------|--------|--------|----------|----------|
| 19860101 | 19870324 | 0 | 0 | NR | XXX |
| 19870325 | 20070806 | 11203 | 9053 | LC | BBB |

## GVKEY 141241 (CATALYTICA ENERGY SYS INC)

OLD:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|--------|-----------|--------|--------|----------|----------|
| 20001229 | 20071001 | 88830 | 41055 | LC | BBB |

NEW:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|--------|-----------|--------|--------|----------|----------|
| 20001229 | 20070928 | 88830 | 41055 | LC | BBB |

## GVKEY 144235 (INTAC INTERNATIONAL)

OLD:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|--------|-----------|--------|--------|----------|----------|
| 20010101 | 20030604 | 0 | 0 | NR | XXX |
| 20030605 | 20071101 | 89756 | 44117 | LC | BBB |

NEW:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|--------|-----------|--------|--------|----------|----------|
| 20010101 | 20030604 | 0 | 0 | NR | XXX |
| 20030605 | 20071002 | 89756 | 44117 | LC | BBB |

### GVKEY 165698 (DIGITAL MUSIC GROUP INC-OLD)

OLD:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|--------|-----------|--------|--------|----------|----------|
| 20040101 | 20060201 | 0 | 0 | NR | XXX |
| 20060202 | 99999999 | 91091 | 50294 | LC | BBB |

NEW:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|--------|-----------|--------|--------|----------|----------|
| 20040101 | 20060201 | 0 | 0 | NR | XXX |
| 20060202 | 20071113 | 91091 | 50294 | LC | BBB |

### GVKEY 15598 (AEGON NV)

OLD:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|--------|-----------|--------|--------|----------|----------|
| 19830101 | 19850627 | 0 | 0 | NU | XXX |
| 19850628 | 20070418 | 85172 | 7622 | LU | BBB |
| 20070419 | 99999999 | 85172 | 7622 | LN | BBB |

NEW:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|--------|-----------|--------|--------|----------|----------|
| 19830101 | 19850627 | 0 | 0 | NU | XXX |
| 19850628 | 99999999 | 85172 | 7622 | LC | BBB |

### GVKEY 1318 (ALLTEL CORP)

OLD:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|--------|-----------|--------|--------|----------|----------|
| 19610101 | 19650117 | 0 | 0 | NR | XXX |
| 19650118 | 99999999 | 41443 | 20057 | LC | BBB |

NEW:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|--------|-----------|--------|--------|----------|----------|
| 19610101 | 19650117 | 0 | 0 | NR | XXX |
| 19650118 | 20071116 | 41443 | 20057 | LC | BBB |
| 20071117 | 99999999 | 0 | 0 | NR | XXX |

## GVKEY 3480 (CERIDIAN CORP)

OLD:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|--------|-----------|--------|--------|----------|----------|
| 19590701 | 19630305 | 0 | 0 | NR | XXX |
| 19630306 | 99999999 | 38914 | 20514 | LC | BBB |

NEW:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|--------|-----------|--------|--------|----------|----------|
| 19590701 | 19630305 | 0 | 0 | NR | XXX |
| 19630306 | 20071108 | 38914 | 20514 | LC | BBB |
| 20071109 | 99999999 | 0 | 0 | NR | XXX |

## GVKEY 147644 (KYPHON INC)

OLD:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|--------|-----------|--------|--------|----------|----------|
| 20020430 | 20071105 | 89390 | 43143 | LC | BBB |

NEW:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|--------|-----------|--------|--------|----------|----------|
| 20020430 | 20071102 | 89390 | 43143 | LC | BBB |
| 20071103 | 99999999 | 0 | 0 | NR | XXX |

## GVKEY 7228 (MEDTRONIC INC)

OLD:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|--------|-----------|--------|--------|----------|----------|
| 19620501 | 19721213 | 0 | 0 | NU | XXX |
| 19721214 | 99999999 | 60097 | 2850 | LU | BBB |

NEW:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|--------|-----------|--------|--------|----------|----------|
| 19620501 | 19721213 | 0 | 0 | NU | XXX |
| 19721214 | 20070418 | 60097 | 2850 | LU | BBB |
| 20070419 | 99999999 | 60097 | 2850 | LC | BBB |

## GVKEY 63663 (AUTHORIZE.NET HOLDINGS INC)

OLD:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|--------|-----------|--------|--------|----------|----------|
| 19941001 | 19960926 | 0 | 0 | NU | XXX |
| 19960927 | 20071102 | 83946 | 14984 | LU | BBB |

NEW:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|--------|-----------|--------|--------|----------|----------|
| 19941001 | 19960926 | 0 | 0 | NR | XXX |
| 19960927 | 20071101 | 83946 | 14984 | LC | BBB |
| 20071102 | 99999999 | 0 | 0 | NR | XXX |

## GVKEY 121656 (CYBERSOURCE CORP)

OLD:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|--------|-----------|--------|--------|----------|----------|
| 19990624 | 99999999 | 86958 | 16605 | LU | BBB |

NEW:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|--------|-----------|--------|--------|----------|----------|
| 19990624 | 20070418 | 86958 | 16605 | LU | BBB |
| 20070419 | 99999999 | 86958 | 16605 | LC | BBB |

## GVKEY 25000 (POLYMEDICA CORP)

OLD:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|--------|-----------|--------|--------|----------|----------|
| 19900401 | 19920304 | 0 | 0 | NU | XXX |
| 19920305 | 20071101 | 77392 | 11382 | LU | BBB |

NEW:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|--------|-----------|--------|--------|----------|----------|
| 19900401 | 19920304 | 0 | 0 | NR | XXX |
| 19920305 | 20071031 | 77392 | 11382 | LC | BBB |
| 20071101 | 99999999 | 0 | 0 | NR | XXX |

## GVKEY 122315 (BIOPURE CORP)

OLD:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|--------|-----------|--------|--------|----------|----------|
| 19990825 | 20070418 | 87057 | 16691 | LU | BBB |
| 20070419 | 99999999 | 87075 | 16691 | LC | XXX |

NEW:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|--------|-----------|--------|--------|----------|----------|
| 19990825 | 20070418 | 87057 | 16691 | LU | BBB |
| 20070419 | 99999999 | 87057 | 16691 | LC | XXX |

## GVKEY 2085 (BAUSCH & LOMB INC)

OLD:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|--------|-----------|--------|--------|----------|----------|
| 19500101 | 19580330 | 0 | 0 | NU | XXX |
| 19580331 | 99999999 | 26518 | 20276 | LU | BBB |

NEW:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|--------|-----------|--------|--------|----------|----------|
| 19500101 | 19580330 | 0 | 0 | NU | XXX |
| 19580331 | 20070418 | 26518 | 20276 | LU | BBB |
| 20070419 | 20071026 | 26518 | 20276 | LC | BBB |
| 20071027 | 99999999 | 0 | 0 | NR | XXX |

## GVKEY 139662 (AVAYA INC)

OLD:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|--------|-----------|--------|--------|----------|----------|
| 20000918 | 99999999 | 88587 | 39130 | LC | BBB |

NEW:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|--------|-----------|--------|--------|----------|----------|
| 20000918 | 20071025 | 88587 | 39130 | LC | BBB |
| 20071026 | 99999999 | 0 | 0 | NR | XXX |

## GVKEY 5643 (HILTON HOTELS CORP)

OLD:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|--------|-----------|--------|--------|----------|----------|
| 19500101 | 99999999 | 23309 | 20915 | LU | BBB |

NEW:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|--------|-----------|--------|--------|----------|----------|
| 19500101 | 20070418 | 23309 | 20915 | LU | BBB |
| 20070419 | 20071024 | 23309 | 20915 | LC | BBB |

## GVKEY 62336 (CYTYC CORP)

OLD:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|--------|-----------|--------|--------|----------|----------|
| 19950101 | 19960307 | 0 | 0 | NU | XXX |
| 19960308 | 99999999 | 83251 | 14414 | LU | BBB |

NEW:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|--------|-----------|--------|--------|----------|----------|
| 19950101 | 19960307 | 0 | 0 | NU | XXX |
| 19960308 | 20070418 | 83251 | 14414 | LU | BBB |
| 20070419 | 20071022 | 83251 | 14414 | LC | BBB |

## GVKEY 20904 (HOLOGIC INC)

OLD:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|--------|-----------|--------|--------|----------|----------|
| 19890929 | 19900228 | 0 | 0 | NU | XXX |
| 19900301 | 99999999 | 76095 | 10504 | LU | BBB |

NEW:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|--------|-----------|--------|--------|----------|----------|
| 19890929 | 19900228 | 0 | 0 | NU | XXX |
| 19900301 | 20070418 | 76095 | 10504 | LU | BBB |
| 20070419 | 99999999 | 76095 | 10504 | LC | BBB |

## GVKEY 5968 (RYERSON INC)

OLD:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|--------|-----------|--------|--------|----------|----------|
| 19500101 | 99999999 | 12458 | 20978 | LC | BBB |

NEW:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|--------|-----------|--------|--------|----------|----------|
| 19500101 | 20071018 | 12458 | 20978 | LC | BBB |
| 20071019 | 99999999 | 0 | 0 | NR | XXX |

## GVKEY 63102 (KEYSTONE AUTOMOTIVE INDS INC)

OLD:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|--------|-----------|--------|--------|----------|----------|
| 19950401 | 19960620 | 0 | 0 | NU | XXX |
| 19960621 | 99999999 | 83669 | 14745 | LU | BBB |

NEW:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|--------|-----------|--------|--------|----------|----------|
| 19950401 | 19960620 | 0 | 0 | NU | XXX |
| 19960621 | 20070418 | 83669 | 14745 | LU | BBB |
| 20070419 | 20071012 | 83669 | 14745 | LC | BBB |
| 20071013 | 99999999 | 0 | 0 | NR | XXX |

## GVKEY 28320 (CDW CORP)

OLD:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|--------|-----------|--------|--------|----------|----------|
| 19920101 | 19930526 | 0 | 0 | NU | XXX |
| 19930527 | 99999999 | 79157 | 12165 | LU | BBB |

NEW:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|--------|-----------|--------|--------|----------|----------|
| 19920101 | 19930526 | 0 | 0 | NU | XXX |
| 19930527 | 20070418 | 79157 | 12165 | LU | BBB |
| 20070419 | 20071012 | 79157 | 12165 | LC | BBB |
| 20071013 | 99999999 | 0 | 0 | NR | XXX |

## GVKEY 10507 (TXU CORP)

OLD:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|--------|-----------|--------|--------|----------|----------|
| 19510228 | 20071011 | 24563 | 21740 | LU | BBB |

NEW:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|--------|-----------|--------|--------|----------|----------|
| 19510228 | 20071010 | 24563 | 21740 | LC | BBB |
| 20071011 | 99999999 | 0 | 0 | NR | XXX |

### GVKEY 154335 (FIRST TRUST VALUE LN 100 ETF)

OLD:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|--------|-----------|--------|--------|----------|----------|
| 20030613 | 99999999 | 89765 | 44125 | LC | BBB |

NEW:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|--------|-----------|--------|--------|----------|----------|
| 20030613 | 20070617 | 89765 | 44125 | LC | BBB |
| 20070618 | 99999999 | 89765 | 44125 | LS | XXX |

### GVKEY 64486 (GUITAR CENTER INC)

OLD:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|--------|-----------|--------|--------|----------|----------|
| 19950101 | 19970313 | 0 | 0 | NU | XXX |
| 19970314 | 20071010 | 84616 | 15390 | LU | BBB |

NEW:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|--------|-----------|--------|--------|----------|----------|
| 19950101 | 19970313 | 0 | 0 | NU | XXX |
| 19970314 | 20071009 | 84616 | 15390 | LC | BBB |
| 20071010 | 99999999 | 0 | 0 | NR | XXX |

### GVKEY 8787 (ARCHSTONE-SMITH TRUST)

OLD:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|--------|-----------|--------|--------|----------|----------|
| 19740101 | 20071008 | 64451 | 3720 | LU | BBB |

NEW:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|--------|-----------|--------|--------|----------|----------|
| 19740101 | 20071005 | 64451 | 3720 | LC | BBB |
| 20071006 | 99999999 | 0 | 0 | NR | XXX |

### GVKEY 25099 (CATALINA MARKETING CORP)

OLD:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|--------|-----------|--------|--------|----------|----------|
| 19900401 | 19920326 | 0 | 0 | NU | XXX |
| 19920327 | 20071002 | 77472 | 29450 | LU | BBB |

NEW:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|--------|-----------|--------|--------|----------|----------|
| 19900401 | 19920326 | 0 | 0 | NU | XXX |
| 19920327 | 20071001 | 77472 | 29450 | LC | BBB |
| 20071002 | 99999999 | 0 | 0 | NR | XXX |

## GVKEY 25111 (RARE HOSPITALITY INTL INC)

OLD:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|--------|-----------|--------|--------|----------|----------|
| 19910101 | 19920330 | 0 | 0 | NU | XXX |
| 19920331 | 20071002 | 77448 | 11442 | LU | BBB |

NEW:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|--------|-----------|--------|--------|----------|----------|
| 19910101 | 19920330 | 0 | 0 | NU | XXX |
| 19920331 | 20071001 | 77448 | 11442 | LC | BBB |
| 20071002 | 99999999 | 0 | 0 | NR | XXX |

## GVKEY 31846 (DARDEN RESTAURANTS INC)

OLD:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|--------|-----------|--------|--------|----------|----------|
| 19900601 | 19950508 | 0 | 0 | NU | XXX |
| 19950509 | 99999999 | 81655 | 30886 | LU | BBB |

NEW:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|--------|-----------|--------|--------|----------|----------|
| 19900601 | 19950508 | 0 | 0 | NU | XXX |
| 19950509 | 20070418 | 81655 | 30886 | LU | BBB |
| 20070419 | 99999999 | 81655 | 30886 | LC | BBB |

## GVKEY 17110 (SOLECTRON CORP)

OLD:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|--------|-----------|--------|--------|----------|----------|
| 19880901 | 19891114 | 0 | 0 | NU | XXX |
| 19891115 | 20071002 | 75857 | 10371 | LU | BBB |

NEW:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|--------|-----------|--------|--------|----------|----------|
| 19880901 | 19891114 | 0 | 0 | NU | XXX |
| 19891115 | 20071001 | 75857 | 10371 | LC | BBB |
| 20071002 | 99999999 | 0 | 0 | NR | XXX |

## GVKEY 30170 (FLEXTRONICS INTERNATIONAL)

OLD:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|--------|-----------|--------|--------|----------|----------|
| 19920401 | 19940317 | 0 | 0 | NU | XXX |
| 19940318 | 99999999 | 80329 | 12930 | LU | BBB |

NEW:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|--------|-----------|--------|--------|----------|----------|
| 19920401 | 19940317 | 0 | 0 | NU | XXX |
| 19940318 | 20070418 | 80329 | 12930 | LU | BBB |
| 20070419 | 99999999 | 80329 | 12930 | LC | BBB |

## GVKEY 4230 (EDWARDS (A G) INC)

OLD:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|--------|-----------|--------|--------|----------|----------|
| 19710301 | 19720321 | 0 | 0 | NR | XXX |
| 19720322 | 20071001 | 54391 | 20634 | LC | BBB |

NEW:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|--------|-----------|--------|--------|----------|----------|
| 19710301 | 19720321 | 0 | 0 | NR | XXX |
| 19720322 | 20070928 | 54391 | 20634 | LC | BBB |
| 20070929 | 99999999 | 0 | 0 | NR | XXX |

## GVKEY 4739 (WACHOVIA CORP)

OLD:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|--------|-----------|--------|--------|----------|----------|
| 19630101 | 19721213 | 0 | 0 | NU | XXX |
| 19721214 | 99999999 | 36469 | 1869 | LU | BBB |

NEW:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|--------|-----------|--------|--------|----------|----------|
| 19630101 | 19721213 | 0 | 0 | NU | XXX |
| 19721214 | 20070418 | 36469 | 1869 | LU | BBB |
| 20070419 | 99999999 | 36469 | 1869 | LC | BBB |

## GVKEY 28078 (NEOWARE INC)

OLD:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|--------|-----------|--------|--------|----------|----------|
| 19920101 | 19930609 | 0 | 0 | NU | XXX |
| 19930610 | 20071001 | 81491 | 13595 | LU | BBB |

NEW:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|--------|-----------|--------|--------|----------|----------|
| 19920101 | 19930609 | 0 | 0 | NU | XXX |
| 19930610 | 20070928 | 81491 | 13595 | LC | BBB |
| 20070929 | 99999999 | 0 | 0 | NR | XXX |

## GVKEY 5606 (HEWLETT-PACKARD CO)

OLD:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|--------|-----------|--------|--------|----------|----------|
| 19491101 | 19610329 | 0 | 0 | NU | XXX |
| 19610330 | 99999999 | 27828 | 20908 | LU | BBB |

NEW:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|--------|-----------|--------|--------|----------|----------|
| 19491101 | 19610329 | 0 | 0 | NU | XXX |
| 19610330 | 20070418 | 27828 | 20908 | LU | BBB |
| 20070419 | 99999999 | 27828 | 20908 | LC | BBB |

## GVKEY 61679 (GREATER BAY BANCORP)

OLD:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|--------|-----------|--------|--------|----------|----------|
| 19940101 | 19960908 | 0 | 0 | NU | XXX |
| 19960909 | 20071001 | 83974 | 14946 | LU | BBB |

NEW:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|--------|-----------|--------|--------|----------|----------|
| 19940101 | 19960908 | 0 | 0 | NU | XXX |
| 19960909 | 20070928 | 83974 | 14946 | LC | BBB |
| 20070929 | 99999999 | 0 | 0 | NR | XXX |

## GVKEY 8007 (WELLS FARGO & CO)

OLD:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|--------|-----------|--------|--------|----------|----------|
| 19580101 | 19621209 | 0 | 0 | NU | XXX |
| 19621210 | 99999999 | 38703 | 21305 | LU | BBB |

NEW:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|--------|-----------|--------|--------|----------|----------|
| 19580101 | 19621209 | 0 | 0 | NU | XXX |
| 19621210 | 20070418 | 38703 | 21305 | LU | BBB |
| 20070419 | 99999999 | 38703 | 21305 | LC | BBB |

## GVKEY 14470 (PLAYTEX PRODUCTS INC)

OLD:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|--------|-----------|--------|--------|----------|----------|
| 19870101 | 19940126 | 0 | 0 | NU | XXX |
| 19940127 | 20071001 | 80186 | 30107 | LU | BBB |

NEW:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|--------|-----------|--------|--------|----------|----------|
| 19870101 | 19940126 | 0 | 0 | NU | XXX |
| 19940127 | 20070928 | 80186 | 30107 | LC | BBB |
| 20070929 | 99999999 | 0 | 0 | NR | XXX |
| | | | | | |

## GVKEY 1902 (CARRINGTON LABORATORIES INC)

OLD:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|--------|-----------|--------|--------|----------|----------|
| 19821130 | 19830810 | 0 | 0 | NU | XXX |
| 19830811 | 99999999 | 15991 | 6282 | LU | BBB |

NEW:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|--------|-----------|--------|--------|----------|----------|
| 19821130 | 19830810 | 0 | 0 | NU | XXX |
| 19830811 | 20070418 | 15991 | 6282 | LU | BBB |
| 20070419 | 20070815 | 15991 | 6282 | LC | BBB |
| 20070816 | 99999999 | 0 | 0 | NR | XXX |

# DATA INSTALLATION

Instructions and screen shots for installation are written for Windows. Differences related to Linux and Sun arenoted.

## WINDOWS:

To install data, insert your CD into the drive and from the Start Menu, select Run `d:\setupwin32.exe`. Click OK.

## SUN SOLARIS:

After inserting the CD, a terminal will open with the file, `setupsolaris.bin`. Double click on this setup file to begin the installation process.

## LINUX:

Upon insertion of the CD, a terminal will open with the file, `setuplinux.bin`. Double click on this setup file and open a terminal to begin the installation process.

After you have clicked **Next** on the Welcome screen, scroll through and read the CRSP Data and Utilities Agreement.  Click to accept the terms of the license agreement, and assuming you do, click **Next**.
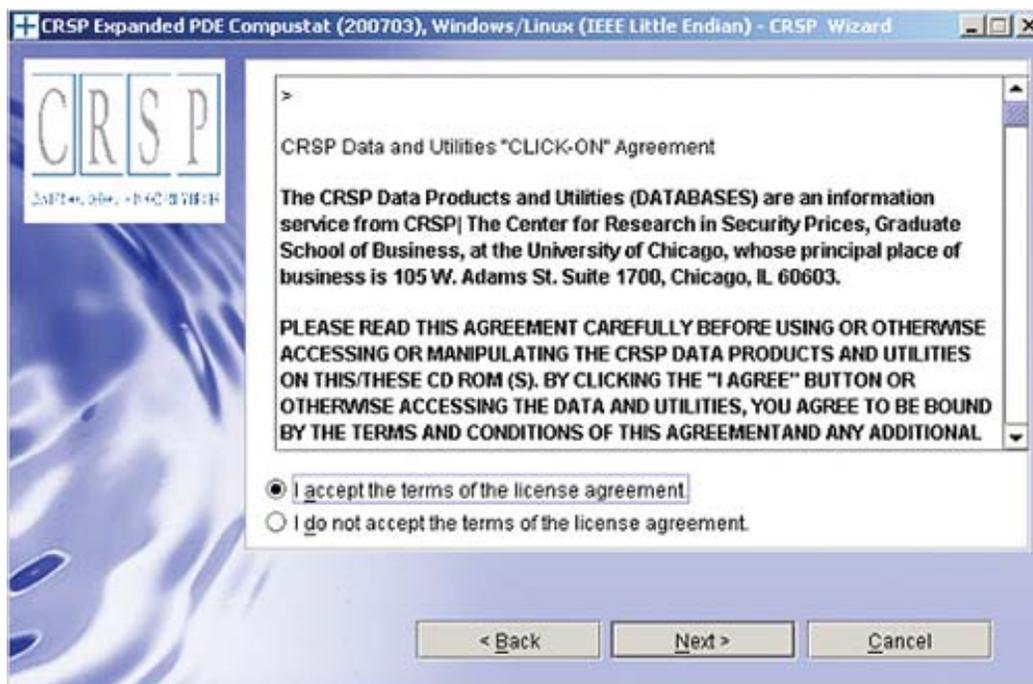


### WINDOWS:

The default directory for the data installation is `c:\crspdata\cczyyyymm`.  You may accept or modify it.  Click **Next. Note: InstallShield does not verify available space. Please see the database parameters on page 1 for space required for installation**.

### SUN SOLARIS & LINUX:

The default directory for the data installation is /crspdata.  You must have write permission to the directory you specify, for example,  `/home/username/crspdata`. **Note: InstallShield does not verify available space. Please see the database parameters on page 1 for space required for installation.**
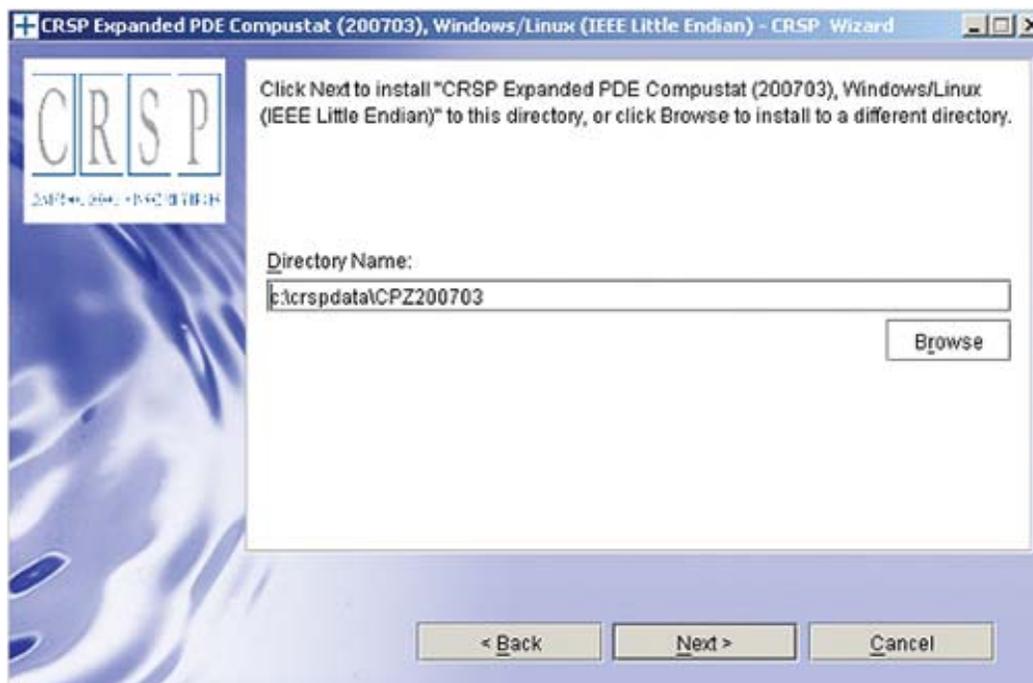
Summary information is displayed: Location, data components and the amount of space that is required for the data.  Click on **Install** to proceed.
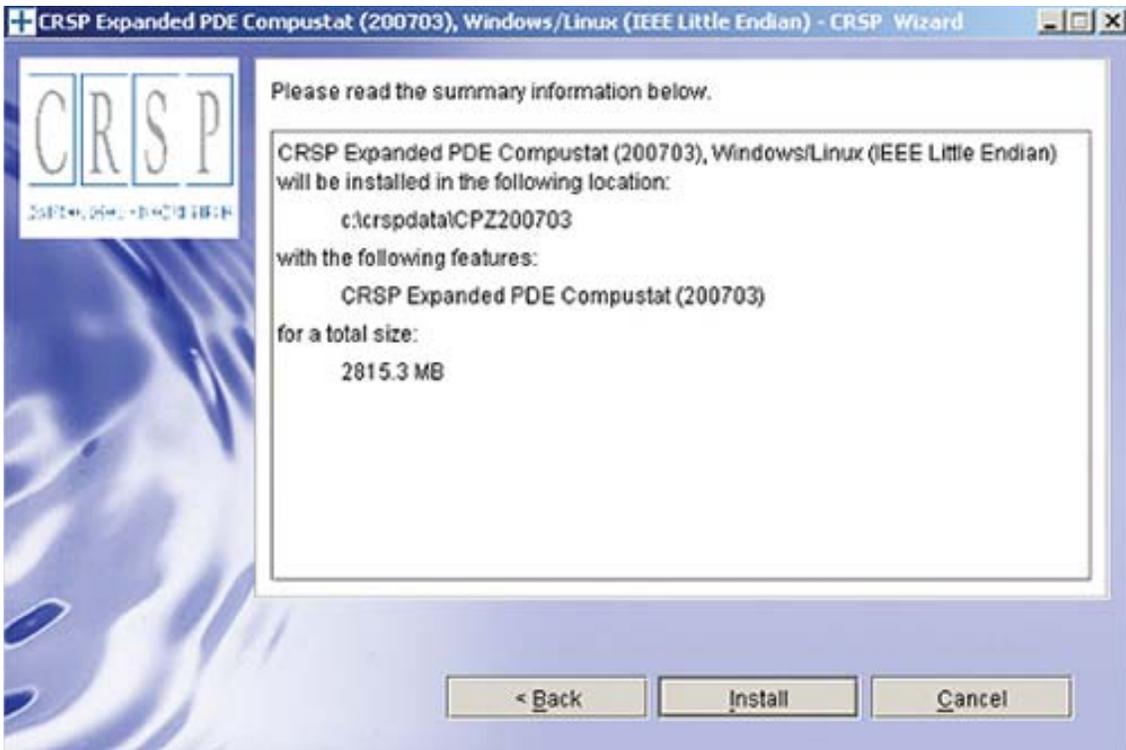


The screen will display the status of your installation.
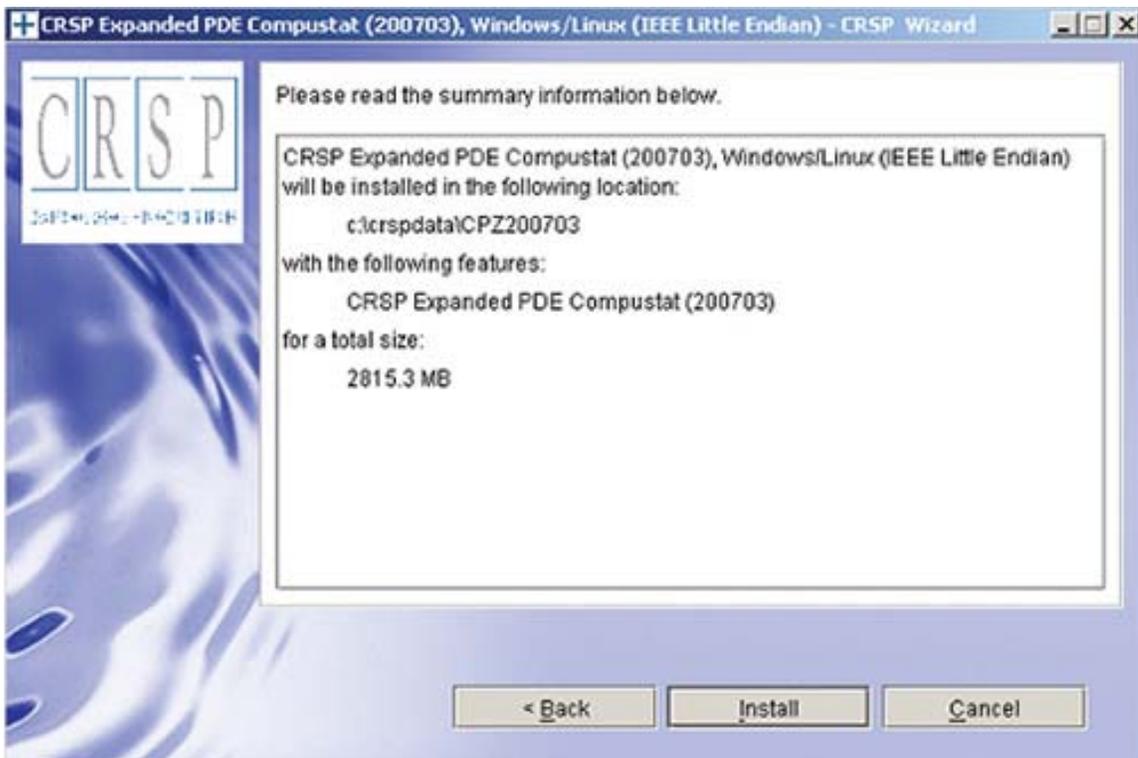
A message indicating the success of the installation appears when the process is complete. Click **Finish**.
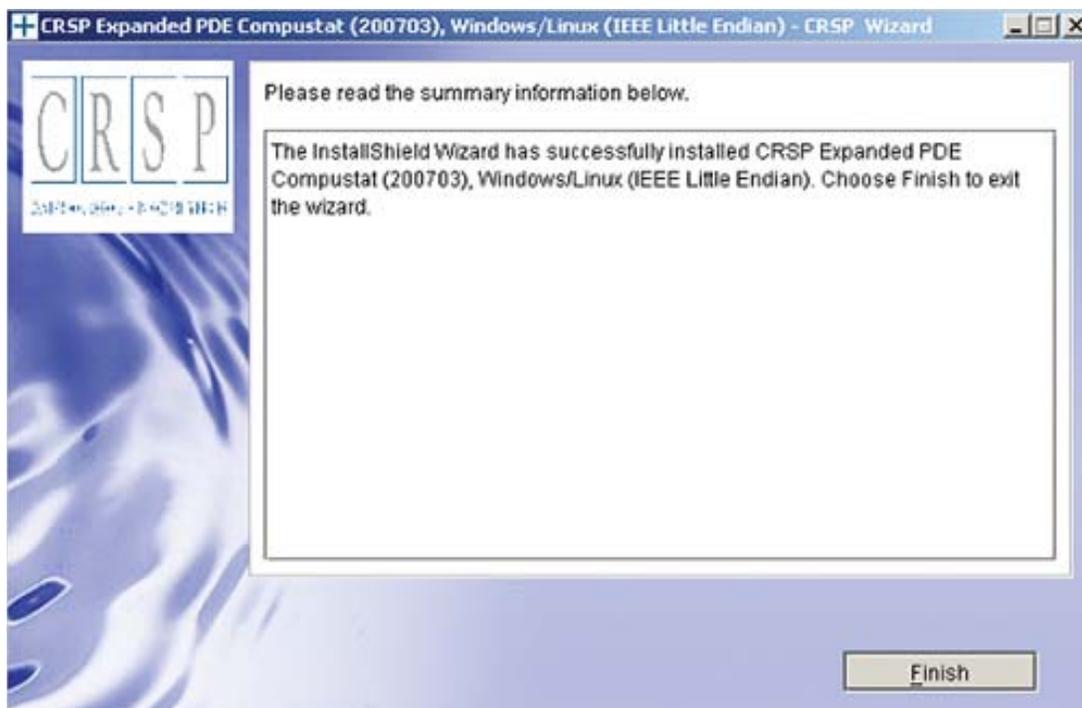


### SUN SOLARIS & LINUX:

After clicking Finish, a file named crsp.kshrc must be run to set the local environment variable for the database. At the prompt, type:

```
>. ./crsp.kshrc <enter>
```

**Note: If you are not using ksh, modifications will be necessary. Check with your Unix administrator.**

Location of the software and data may be checked by opening **CRSP Client Environment** from the CRSPAccess menu. This new utility provides users a quick and simple way of both checking and switching environment variables if necessary. Where, in the past, users had to go through the Control Panel to manipulate the environment variables, this can now be done by quick editing of the Client Environment screen.

## UNINSTALL

For each data install, an uninstall is created on the CRSPAccess menu. Data uninstalls do not touch software. Likewise, software uninstalls do not touch data. Each uninstall is done separately. As with the install, the uninstall is wizard-driven. When installation of either software or data is complete, users may be prompted with an option to either reboot the computer or wait until later.

### Uninstall & CRSP Client Environment

Each time a path is modified in client environment, the action is recorded. Upon running uninstall, a *Restore Environment Variable* prompt will appear:

**Restore Environment Variable**

CRSP_WORK exists on this system and it has been modified since installation. Do you want to restore this environment variable?

[ Yes ] [ Yes to All ] [ No ]
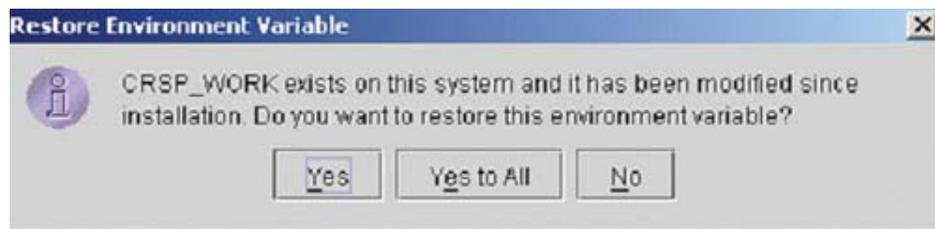
This prompt appears for each variable for each modification. Answer each prompt and continue cycling through. **Yes** is the default, which will restore environment variables back to what they were prior to the install.